

# 11. Scalars

## Examples

```
import pandas as pd
data = {
    'A': [1, 2, 3, 4, 5],
    'B': [10, 20, 30, 40, 50]
}
df = pd.DataFrame(data)
```

### 1. Adding a scalar to a column

```
print(df)
df['A'] = df['A'] + 5
print(df)
```

Output:

```
PS C:\Users\ranga\Desktop\Pydata Uniconnect\practicals> python main.py
   A  B
0  1 10
1  2 20
2  3 30
3  4 40
4  5 50
-----
   A  B
0  6 10
1  7 20
2  8 30
3  9 40
4 10 50
```

### 2. Multiplying a column by a scalar

```
print(df)
df['B'] = df['B'] * 2
print(df)
```

Output:

```
● PS C:\Users\ranga\Desktop\Pydata Uniconnect\practicals>
  A  B
0  1  10
1  2  20
2  3  30
3  4  40
4  5  50
-----
  A  B
0  1  20
1  2  40
2  3  60
3  4  80
4  5  100
○ PS C:\Users\ranga\Desktop\Pydata Uniconnect\practicals>
```